

# Cutting edge: A comparison of contemporary practices of riparian buffer retention around headwaters in Canada, Finland and Sweden

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## Creator/Principal investigator(s)

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## Research principal

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## Description

These data describe 286 small streams in Canada, Sweden and Finland and the conditions of their riparian buffers. All the study streams were subject to forest harvest between 2010 and 2016 and riparian buffers were left by forest practitioners. We measured number of stream physical properties (size, substrate, channel forms) and the conditions of the associated riparian buffers (width, tree composition, age structure). We further assessed other impairments caused by forestry operations such as machine tracks in the riparian area, drainage ditches connected to the streams, and stream crossing. Those data are also available in the database.

Table S3. The separately uploaded table contains data which were used for analyzing riparian buffer widths and the factors affecting it (catchment area, riparian slope and clearcut size), as well as Impairment Index for all sites in all three countries. Table S4-S6. These separately uploaded tables contain all data from the Canadian, Finnish and Swedish sites used in the study, including information on the buffer width and composition, stream properties, impairments, site names, site information and buffer functions.

## Data contains personal data

No

## Language

[English](#)

## Time period(s) investigated

2017-05-01 – Ongoing

## Data format / data structure

[Numeric](#)

[Text](#)

### **Data collection 1**

- Description of the mode of collection: The data contain in-field observations and measurements.
- Time period(s) for data collection: 2017-05-01 – 2018-08-30

### **Geographic spread**

Geographic location: [Sweden](#), [Finland](#), [Canada](#)

Geographic description: The data focus on one southern and one northern region in Sweden and Finland and coastal and interior regions in British Columbia (Canada).

### **Responsible department/unit**

Department of Forest Ecology and Management

### **Contributor(s)**

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### **Funding 1**

- Funding agency: The Swedish Research Council Formas

### **Funding 2**

- Funding agency: Academy of Finland (Suomen Akatemia)

### **Funding 3**

- Funding agency: Natural Sciences and Engineering Research Council of Canada (NSERC),  
Gouvernement du Canada

### **Research area**

[Earth and related environmental sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Natural sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Biological sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

### **Keywords**

[Flowing water](#), [Water analysis](#), [Buffer zone](#), [Rivers/streams](#)

### **Accessibility level**

Access to data through SND

Data are accessible by order

### **Use of data**

[Things to consider when using data shared through SND](#)

### **Versions**

Version 1.0. 2020-06-18

## **Homepage**

[Source Stream Protection \(SOSTPRO\)](#)

## **Download metadata**

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

[PDF](#)

[Citation \(CSL\)](#)

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